GLUCOSE- dextrose anhydrous injection, solution Baxter Healthcare Corporation

Disclaimer: This drug has not been found by FDA to be safe and effective, and this labeling has not been approved by FDA. For further information about unapproved drugs, click here.

5% GLUCOSE INJECTION

HEALTH CARE PROFESSIONAL LETTER

Baxter

Important Prescribing Information

November 21, 2024

Subject: Temporary importation of 0.9% Sodium Chloride Injection, 5% and 10% Glucose Injection, and 5% Glucose/0.9% Sodium Chloride Injection from Shanghai, China, labeled in English to address drug shortages

Dear Healthcare Professional,

To prevent a drug shortage of large volume parenteral fluid drug products, Baxter Healthcare Corporation (Baxter) is coordinating with the U.S. Food and Drug Administration (FDA) to temporarily import 0.9% Sodium Chloride Injection (250 mL and 1,000 mL), 5% Glucose Injection (250 mL and 1,000 mL), 10% Glucose Injection (250 mL), and 5% Glucose/0.9% Sodium Chloride Injection (1,000 mL) from Baxter's manufacturing facility in Shanghai, China. FDA has not approved these products manufactured by Baxter's Shanghai facility.

You may be provided with additional letters for other imported products you receive. Please read each letter in its entirety because each letter may contain different, product specific information.

At this time, no other entity except Baxter is authorized by the FDA to import or distribute these products in the United States.

Effective immediately, and during this temporary period, Baxter will offer the following imported products:

Product name and description	Size	Product code	Bags per carton	NDC code of a single bag
	250 mL	A6C1322U5	40	0338-9791-01
0.9% Sodium Chloride Injection	500 mL	A6C1323US	24	0338-9808-01
	1,000 mL	A6C1324US	12	0338-9793-01
	250 mL	A6C0062US	40	0338-9795-01
5% Glucose Injection	1,000 mL	A6C0064US	12	0338-9801-01
10% Glucose Injection	250 mL	A6C0162US	40	0338-9797-01
5% Glucose/0.9% Sodium Chloride Injection	1,000 mL	A6C1064US	12	0338-9799-01

It is important to note the following:

After opening the carton or box, the bags should be inspected visually to confirm there is no visible particulate
matter or bag defects, such as leaks. Container integrity is imperative to ensure sterility of products listed in the
table above. Parenteral drug products should be inspected visually for particulate matter and bag defects prior to
administration, whenever solution or container permits.

USE A NEW BAG IF PARTICULATES ARE VISIBLE OR IF THE IV BAG CONTAINS A LEAK.

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 1 of 11

- The imported products' administration port system is fully compatible with Baxter sets marketed in the United States.
- The products listed in the table above contain black barcodes (versus the white barcode on the approved
 product) and the barcode has been placed in a different position. The barcode on the imported product is
 encoded with the National Drug Code (NDC) that is specific to the imported product. However, the barcodes may
 not register accurately in the U.S. scanning systems. Institutions should manually input the product into their
 systems to ensure that barcode systems do not provide incorrect information when the product is scanned.
 Alternative procedures should be followed to ensure that the correct drug product is being used in all systems
 and processes and administered to individual patients.
- CORRECTION: The 250 mL product is NOT compatible for admixing with Baxter's Vial Mate adapter because
 the Vial-Mate adapter can introduce particles into the admixture.
- The imported product uses a carton box that is taped closed. To avoid damage to the solution container, take
 care not to use sharp instruments to open the carton.
- Dextrose, USP is a hydrated form of glucose. The imported glucose product is an anhydrous form of glucose. Therefore on an energy content per mL basis,
 - 5% Glucose/0.9% Sodium Chloride Injection (0.20 kcal/mL) is <u>NOT</u> equivalent to 5% Dextrose and 0.9% Sodium Chloride Injection USP (0.17 kcal/mL),
 - o 5% Glucose Injection (0.20 kcal/mL) is NOT equivalent to 5% Dextrose Injection USP (0.17 kcal/mL),
 - 10% Glucose Injection (0.40 kcal/mL) is <u>NOT</u> equivalent to 10% Dextrose Injection USP (0.34 kcal/mL).
- The imported glucose containing products are <u>NOT</u> directly interchangeable with dextrose containing injections USP. Protocols, order entry, and compounding systems will need to be adjusted.
- 0.9% Sodium Chloride Injection USP, 5% Dextrose Injection USP, 10% Dextrose Injection USP, and 5% Dextrose/0.9% Sodium Chloride Injection USP are available only by prescription in the U.S. However, the imported products do not have the statement "Rx only" on the labeling.

Additional key differences in the labeling between the FDA-approved products and the imported products are stated in the product comparison tables at the end of this letter as follows:

- Table 1 Key differences between FDA-approved and imported 0.9% Sodium Chloride Injection USP
- Table 2 Label images of FDA-approved and imported 0.9% Sodium Chloride Injection USP
- Table 3 Key differences between FDA-approved 5% Dextrose Injection USP and imported 5% Glucose Injection
- Table 4 Label images of FDA-approved 5% Dextrose Injection USP and imported 5% Glucose Injection
- Table 5 Key differences between FDA-approved 5% Dextrose Injection USP and imported 5% Glucose Injection
- Table 6 Label images of FDA-approved 10% Dextrose Injection USP and imported 10% Glucose Injection

 Table 7
 Key differences between FDA-approved 5% Dextrose/0.9% Sodium Chloride Injection USP and imported

 5% Glucose/0.9% Sodium Chloride Injection

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 2 of 11

Table 8 Label images of FDA-approved 5% Dextrose/0.9% Sodium Chloride Injection USP and imported 5% Glucose/0.9% Sodium Chloride Injection

Reporting Adverse Events or Product Quality Issues

To report **adverse events** associated with these imported products, please call Baxter at 1-866-888-2472, or fax: 1-800-759-1801. Adverse events or quality problems experienced with the use of these imported products may also be reported to the FDA's MedWatch Adverse Event Reporting program either online, by regular mail or by fax:

- Complete and submit the report Online: <u>www.fda.gov/medwatch/report.htm</u>
- Regular mail or Fax: Download form <u>www.fda.gov/MedWatch/getforms.htm</u> or call 1-800-332-1088 to request a reporting form, then complete and return to the address on the pre-addressed form, or submit by fax to 1-800-FDA-0178.

To report product quality issues associated with these imported products, please contact Baxter Product Surveillance through Baxter - Product Feedback Portal (<u>https://productfeedback.baxter.com/</u>).

Please also refer to the local prescribing information of the imported product, translated into English, available for:

- 0.9% Sodium Chloride Injection (click here)
- 5% Glucose Injection (click here)
- 10% Glucose Injection (click here)
- 5% Glucose/0.9% Sodium Chloride Injection (click here)

Please refer to the FDA-approved prescribing information for each drug product listed below:

- 0.9% Sodium Chloride Injection USP (click here)
- 5% Dextrose Injection USP (click here)
- 10% Dextrose Injection USP (click <u>here</u>)
- 5% Dextrose/0.9% Sodium Chloride Injection USP (click <u>here</u>)

If you have any questions about the information contained in this letter or the use of the imported products, please contact Baxter's Medical Information Service at 1-800-933-0303.

To place an order, please contact Baxter's Center for Service at 1-888-229-0001.

Sincerely,

Electronically signed by: Matia Soriano Reason: I approve this document Date: Nov 21, 2024 14:31 EST Chin

Cecilia Soriano President, Infusion Therapies & Technologies Baxter Healthcare Corporation

Baxter and Viaflex are trademarks of Baxter International Inc.

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 3 of 11

Reporting Adverse Events or Product Quality Issues

To report **adverse events** associated with these imported products, please call Baxter at 1-866-888-2472, or fax: 1- 800-759-1801. Adverse events or quality problems experienced with the use of these imported products may also be reported to the FDA's MedWatch Adverse Event Reporting program either online, by regular mail or by fax:

Complete and submit the report **Online**: www.fda.gov/medwatch/report.htm
 Popular mail or Fax: Download form www.fda.gov/MedWatch/gatforms.htm or gov/MedWatch/gatforms.htm

• **Regular mail or Fax**: Download form www.fda.gov/MedWatch/getforms.htm or call 1-800-332-1088 to request a reporting form, then complete and return to the address on the pre-addressed form, or submit by fax to 1-800-FDA-0178.

To report **product quality issues** associated with these imported products, please contact Baxter Product Surveillance through Baxter - Product Feedback Portal (https://productfeedback.baxter.com/).

Please also refer to the local prescribing information of the imported product, translated into English, available for:

 0.9% Sodium Chloride Injection (click https://nctr-crs.fda.gov/fdalabel/ui/splsummaries/criteria/723233)

• 5% Glucose Injection (click https://nctr-crs.fda.gov/fdalabel/ui/spl-

- summaries/criteria/723235)
- 10% Glucose Injection (click https://nctr-crs.fda.gov/fdalabel/ui/spl-
- summaries/criteria/723237)
- 5% Glucose/0.9% Sodium Chloride Injection (click https://nctr-

crs.fda.gov/fdalabel/ui/spl-summaries/criteria/723238)

Please refer to the FDA-approved prescribing information for each drug product listed below:

• 0.9% Sodium Chloride Injection USP (click

https://www.dailymed.nlm.nih.gov/dailymed/getFile.cfm?setid=f55bd888-5e01-474d-

871b-24654c070178&type=pdf&name=f55bd888-5e01-474d-871b-24654c070178) • 5% Dextrose Injection USP (click

https://www.dailymed.nlm.nih.gov/dailymed/getFile.cfm?setid=3bb406a9-f5cb-403ab1bb-5c4facbea3d5&type=pdf&name=3bb406a9-f5cb-403a-b1bb-5c4facbea3d5)

• 10% Dextrose Injection USP (click

https://www.dailymed.nlm.nih.gov/dailymed/getFile.cfm?setid=3bb406a9-f5cb-403a-

b1bb-5c4facbea3d5&type=pdf&name=3bb406a9-f5cb-403a-b1bb-5c4facbea3d5)

5% Dextrose/0.9% Sodium Chloride Injection USP (click https://www.accessdata.fda.gov/drugsatfda_docs/label/2019/016678s007,016683s103,016687s104,016689s107,016697s098lbl.pdf)

Product Comparison Tables

	FDA-approved product	Imported product from Shanghai, China
Product name	0.9% Sodium Chloride Injection USP	0.9% Sodium Chloride Injection
Label volume	100 mL; 150 mL; 250 mL; 500 mL; 1000 mL	250 mL; 500 mL; 1000 mL
Language of the Labels	English	English
Indications	Sodium Chloride Injection, USP is indicated as a source of water and electrolytes. 0.9% Sodium Chloride Injection, USP is also indicated for use as a priming solution in hemodialysis procedures.	Sodium Chloride Injection is indicated as a source of water and electrolytes.
Active ingredients	Each 100 mL contains 900 mg Sodium Chloride, USP	Each 100 mL contains 900 mg Sodium Chloride
Additional information	pH is 5.0 (4.5 to 7.0) Osmolarity 308 mOsm/L (calc)	pH is 5.0 (4.5 to 7.0) Osmolarity 308 mOsm/L (calc)
Storage conditions	Store at room temperature 25°C/77°F.	Store at room temperature 15°C/59°F. to 30°C/86°F.
Container type	VIAFLEX (PVC)	IVINA (non-PVC)
Medication and Administration port closures	Contains medication port and administration port; Pull off port protector (blue color), right side	Contains medication port and administration port; Twist off port protector (white color), left side

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 4 of 11

Table 2 Label images of FDA-approved and imported 0.9% Sodium Chloride Injection USP

FDA-approved product		Imported product from Shanghai, China	
0.9% Sodium Chloride Injection USP		0.9% Sodium Chloride Injection	
Label Color: Black. Barcode not shown. 1000 mL shown as representative label.		Label Color: Black. 1000 mL shown as representative label. Imported product contai NDC number, which is not yet shown below. Barcode location is and will contain a linear barcode with human readable informa	
O O 281324 NDC 0338-0049-04 DIN 00060268	ī	100 Baxter® A6C1324US	
0.9% Sodium	2	200 SODIUM CHLORIDE INJECTION	
Chloride Injection USP	3	³⁰⁰ 1000ml 0.9%	
1000 mL	4	400 Sodium Chloride	
Excen 100 mL contrains 900 mg Sosiur Cescene USP pH 5.0 (4.5 to 7.0) mEiglt. Socium 154 Oktores 154 Obsecutory 366 m0emolii (oku) Straite Nenrinosteino Single cole contraines Apptingta sur les incompanies. Consult artist	5	[Strength] 1000ml: 9g 500 Dosage and Administration] Intravenous drip. See the package ment for details	
Римянасят и и именани. When introduced adontees use asento technique Mix tendorsolar. Va dont stolar Dostaci. Intravetousur va brectoro er a introduced stolar adontees adontees dostationes dostationes interfer initia india winch wannana product stereuty Discando er Lucea ane Forum. Mark hor are latio to	C	For details of (Indications), (Advence Reactions), [Contraindications], and [Precautions], preserverient to the package instant discussion, and adventional precision of the [Storage] Store in overwraigo The solution should the clear and should be used	
велиев сомнестисны. По нот изе унадая волитон из сцели RX Он их Stone инит ин иновтиле вличево системили и носи тванизации (25°C077°F) илить недату то цве Акода ехсевание неду See пиент	7	1 in a local size 1 in a local	
VIAFLEX сонтяжен PL 146 наяти: Виллен Vалск ако PL 146 иля твоезанико ог Виллен Інтернатова, інс Геон мероци такотакатов 1-800-933-0303		[Drug Marketing Authorization Holder] [Manufacturer] Name: Baster Healthcare (Shanghai) Co., Ltd. 8000 Address: No. 388, Tingziha Rada, Jueshan District, Shanghai	
	8	GTIN Barcode Area	
BATTER HEALTHCARE COMPONITION DEEVINED IL 60015 USA MADE IN USA	_	900 LOT MFG	
	9	EXP	

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 5 of 11

Table 3 Key differences between FDA-approved 5% Dextrose Injection USP and imported 5% Glucose Injection

	FDA-approved product	Imported product from Shanghai, China	
Product name	5% Dextrose Injection USP	5% Glucose Injection	
Label volume	250 mL, 1000 mL	250 mL, 1000 mL	
Language of the Labels	English	English	
Indications	Dextrose Injection, USP is indicated as a source of water and calories.	Glucose Injection is indicated as a source of water and calc	
Active ingredients	Each 100 mL contains 5 g Dextrose Hydrous USP	Each 100 mL contains 5 g Anhydrous Glucose	
Additional	pH 4.0 (3.2 to 6.5)	4.0 (3.2 to 6.5)	
information	Osmolarity 252 mOsmol/L (calc)	Osmolarity 278 mOsmol/L (calc)	
Caloric content	170 kcal/L	200 kcal/L	
Storage conditions	Store at room temperature 25°C/77°F.	Store at room temperature 15°C/59°F. to 30°C/86°F.	
Container type	VIAFLEX (PVC)	IVINA (non-PVC)	
Medication and Administration port closures	Contains medication port and administration port; Pull off port protector (blue color), right side	Contains medication port and administration port; Twist off port protector (white color), left side	

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 6 of 11

Table 4 Label images of FDA-approved 5% Dextrose Injection USP and imported 5% Glucose Injection

FDA-approved product	Imported product from Shanghai, China
5% Dextrose Injection USP	5% Glucose Injection
Label Color: Black. Barcode not shown. 1000 mL shown as representative label.	Label Color: Black. 1000 mL shown as representative label. Imported product contains the NDC number, which is not yet shown below. Barcode location is shown and will contain a linear barcode with human readable information.
O O 28064 NDC 0338-0017-04	100 Baxter® A6C0064US
5% Dextrose	2000 GLUCOSE INJECTION
Injection USP	300 5%
LACH 100 ML EACH 100 ML CONTAINS 5 g DEXTROSE HYDROUS USP pH 4.0 (3.2 to 8.5) OSMOLARITY 252	
mOsmol/L (catc) Strente Non-whodenic Single dose container Additives may be incomparine Consult with pharmacist if available When introduction additives use asspric technique Mick thorough y Do not	Benerative 1000mr. 50g Benerative 1000mr. 50g Contract Same Same Same Same Same Same Same Same
STORE DOBAGE INTRAVENOUSLY AS DIRECTED BY A PHYSICIAN SEE DIRECTIONS CAUTIONS SQUEEZE AND INSPECT INNER BAG WHICH MAINTAINS PRODUCT STERLITY DISCARD IF LEAKS ARE FOUND MUST	5 For details of Individuation, [Menner Reaction], 600 [package insent [Scharg] State in voewrap
NOT BE USED IN SERIES CONNECTIONS DO NOT ADMINISTER SIMULTAMEOUSLY WITH BLOOD DO NOT USE UNLESS BOLUTION IS GLEAN RX ONLY STORE UNIT IN MOISTURE DARRIER OVERWARA X1 ROOM TEMPERATURE (25/07/77) UNIT. INFLOY TO USE	6 The solution should be clear and should be used 4 of the time may be yourcenty at and discard 5 000 Limits of kinage occurs without with the Wigestron 1 1 000 Limits (kinage occurs)
Avoid excessive heat. See insert VIAFLEX container PL 146 plastic Barter VIAFLEX and PL 146 are thacewarks of	7 Boug Marketing Authorization Holded [Manufacturer] 8000 Name: Batter Hankmare (Shanghari) Co., Lid Address: No. 388, Tingatu Road, Arehan Distinci, Shanghari
Вихтея International, Inc For Product Information 1-800-933-0303	GTIN Barcode Area
Baxter Baxter Meathcare Conformation Deserves II. 60075 USA More NUSA	8 LOT MFG EXP

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 7 of 11

Table 5 Key differences between FDA-approved 10% Dextrose Injection USP and imported 10% Glucose Injection

	FDA-approved product	Imported product from Shanghai, China
Product name	10% Dextrose Injection USP	10% Glucose Injection
Label volume	250 mL	250 mL
Language of the Labels	English	English
Indications	Dextrose Injection, USP is indicated as a source of water and calories.	Glucose Injection is indicated as a source of water and calories.
Active	Each 100 mL contains 10 g Dextrose Hydrous USP	Each 100 mL contains 10 g Anhydrous Glucose
Additional information	pH 4.0 (3.2 to 6.5) Osmolarity 505 mOsmol/L (calc)	pH 4.0 (3.2 to 6.5) Osmolarity 555 mOsmol/L (calc)
Caloric content	340 kcal/L	400 kcal/L
Storage conditions	Store at room temperature 25°C/77°F.	Store at room temperature 15°C/59°F. to 30°C/86°F.
Container type	VIAFLEX (PVC)	IVINA (non-PVC)
Medication and Administration port closures	Contains medication port and administration port; Pull off port protector (blue color), right side	Contains medication port and administration port; Twist off port Protector (white color), left side

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 8 of 11

Table 6 Label images of FDA-approved 10% Dextrose Injection USP and imported 10% Glucose Injection

US-FDA approved product	Imported product from Shanghai, China	
10% Dextrose Injection USP	10% Glucose Injection	
Label Color: Black. Barcode not shown.	Label Color: Black. Imported product contains the NDC number, which is not yet show below. Barcode location is shown and will contain a linear barcode v human readable information.	
<text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text>	human readable information. Baxter Accolecus GLUCOSE INJECTION 50 2500mll 100 Strong Stommer 100 Stome Stome Stome 100 Stome Stome Stome 100 Stome Stome Stome 101 Stome Stome 102 Stome Stome 103 Stome Stome 104	
convectores Do not assistent sealtheorium versioned Do not use usess southown is case. Ro Owy 2000 S'rote upwir in worthow savings (B*C777F) sint sear to sea ptrof/77F) sint sear to sea ptrof/77F) sint sear to sea cosses word Statesen WAFLEX consules P. 146 ruletto BATEP WAFLEX exercises	130 [Strangel Store in overmap The solidow though to clear and should be used up at one time based: the new tab by sourcezing it and discard soliton <i>f</i> kinkage occurs 2000 Unceres Number 119960403 Dirong Marking Authorizations lokided [Manufacture] ham: Easter Verlahours [Shanghai] Go. Ltit Address. No. 388; Tingdru Road, Jendam Dietect, Shanghai	

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 9 of 11

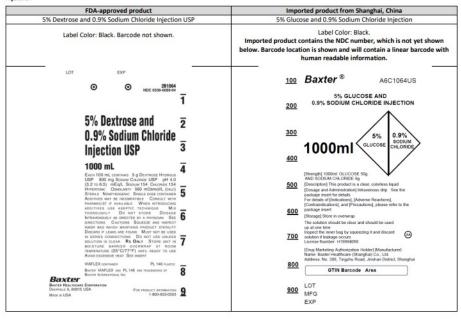
Table 7 Key differences between FDA-approved 5% Dextrose/0.9% Sodium Chloride Injection USP and imported 5% Glucose/0.9% Sodium Chloride Injection

	FDA-approved product	Imported product from Shanghai, China		
Product name	5% Dextrose and 0.9% Sodium Chloride Injection USP	5% Glucose and 0.9% Sodium Chloride Injection		
Label volume	1000 mL	1000 mL		
Language of the Labels	English	English		
Indications	Dextrose and Sodium Chloride Injection, USP is indicated as a source of fluid and electrolyte replenishment and caloric supply.	Dextrose and Sodium Chloride Injection is indicated as a source of fluid and electrolyte replenishment and caloric supply.		
Active ingredients	Each 100 mL contains 5 g Dextrose Hydrous USP and 900 mg Sodium Chloride USP	Each 100 mL contains 5 g Anhydrous Glucose and 900 mg Sodium Chloride		
Additional information	pH 4.0 (3.2 to 6.5) Osmolarity 560 mOsmol/L (calc)	pH 4.0 (3.2 to 6.5) Osmolarity 585 mOsm/L (calc)		
Caloric content	170 kcal/L	200 kcal/L		
Storage conditions	Store at room temperature 25°C/77*F.	Store at room temperature 15°C/59°F. to 30°C/86°F.		
Container type	VIAFLEX (PVC)	IVINA (non-PVC)		
Administration port closures	Contains medication port and administration port; Pull off port protector (blue color), right side	Contains medication port and administration port; Twist off port protector (white color), left side		

SI-ITT-SI-DHCP-202410-01, Rev 02

Page 10 of 11

Table 8 Label images of FDA-approved 5% Dextrose/0.9% Sodium Chloride Injection USP and imported 5% Glucose/0.9% Sodium Chloride Injection



SI-ITT-SI-DHCP-202410-01, Rev 02

Page 11 of 11

PACKAGE INSERT

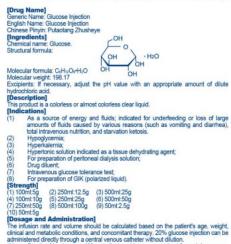
SPC-302US

al Date: October 26, 2006

Revision Date: April 15, 2009, January 23, 2009, October 01, 2010, December 23, 2011, February 10, 2012, March 12, 2012, April 19, 2012, October 18, 2014, October 25, 2015, December 01, 2015, January 15, 2019, January 16, 2019, April 23, 2019, July 07, 2020, December 01, 2020

Glucose Injection Package Insert

Please read the package insert carefully and use under the direction of the physician



- OmitSig SomitSig and Administration] mitsig age and Administration] mitsion rate and volume should be calculated based on the patient's age, weight, a and metabolic conditions, and concomitant therapy, 20% glucose injection can be istered directly through a central venue, catheter without ditudion. Supply of heat energy. When patients eat less or cannot eat for certain reasons, 25% glucose injection can generally be glucose is the most important energy supplied to the calculated based on the calculated based on the regulace fluids. The dosage of glucose should be calculated based on the regulace fluids. The dosage of glucose is the most important energy supplied substance for this therapy. In non-protein heat energy, the ratio of energy substance for this therapy, and 50%, insure calculated based on the amount of fluid replacement required. glucose can be prepared in different concentrations between 25% and 50%. Insuri, can be added if necessary, with 1 unit of regular insulin added for every 5 to 10 g of glucose. As the normal application of thetoris. Patients with severe hypoglycemia can be administered 20-40 mi of 50% glucose injection by intravenous push first. Starvation ketosis. Patients with severe starvation ketosis should be administered 5-25% glucose injection by intravenous dip. Administration of 100 g of glucose daily can generally control the condition. (2) (3)
- (4)
- Water loss. For isotonic water loss, 5% glucose injection should be administered (5)
- (6)
- Water loss, For isotonic water loss, 5% glucose injection should be administered by intravenous drip. Hyperkalemia. 10-25% injection should be administered. Adding 1 unit of regular insulin for every 2-4 g of glucose can reduce serum potassium concentration. However, this therapy only allows extracellular potassium ions to enter the cells, and the total potassium content in the body remains unchanged. If potassium elimination measures are not taken, hyperkalemia may still occur again. Tissue dehydration. 20 to 50 mi of hyperionic solution (generally 50% glucose injection) should be administered by rapid intravenous injection. However, the effect is short-lived. Clinically, attention solution (generally 50% glucose injection) should be administered by rapid intravenous injection. However, the construction can be 55 miclosmically and the solution (generally 50% glucose injection), file, 10 g of glucose; injections, if administered via a peripheral vien, the somotic pressure of the final mixed infusion solution must be considered. For 10% and 20% glucose injections, if administered via a peripheral vien, the somotic pressure of the final mixed infusion solution must be considered. For 10% and 20% glucose injections, when using glucose-containing preparations, consider stating at a low infusion rate abdres doping the infusion. Electorytes can be replenished according to the patient's clinical needs. For 20% glucose injection, taking nate abdres aborging the infusion. Electorytes can be replenished according to the patient's clinical needs. For 20% glucose injection, this to be consuments, and other ingerdents (including amino acds and lipids) can be added to the parenterial nutrition regimem according to the patient's contition to meet the comotion pressure of the diluted solution meet the regularense in the individual nutritional needs and prevent the deficiency of such substances and the occurrence of complications. **For 20% indices in the indition and thetions**. **For 20% indices in the** (7)
- (8)
- (9)
- (10) (11)
- (12)
- (13)
- (2)
- and pain. Reactive hypoglycemia, which is prone to occur in the event of coadministration of an overdose of insulin, a pre-existing hypoglycemia tendency, or sudden (3)

- withdrawal from total intravenous nutrition therapy. Hyperglycemic non-ketotic corna, which is more common in patients with stress, patients reviewing large amounts of glucocorclods, and patients with urema pertoneal daysis who are given intrapentoneal hypertonic glucose solution or total intravenous nutrition therapy. Electrolyte imbalance. Long-term supplementation of glucose alone can easily lead to hypolatemia, hyponatremia, and hypophosphatemia. Hyperkatemia, hyponatremia, and hypophosphatemia. Hyperkatemia, which occasionally occurs in patients with type 1 diabetes when they are administered glucose at high concentration. Hypersensitivity/intision reactions (including anaphyladicianaphyl (4)
- (5) (6)
- (7)
- perglycemia.
- rypelgydenia.
 Rash.
 Rash.
 Rash.
 Rash.
 Rash.
 Rash.
 Rash.
 Rash.
 Dire adverse reactions reported with similar products include: (1) Symptomatic hyponatremia; (2) Hyponatremic encephalopathy, and (3) Possible influsion site thromophelbitis (related to hypertonic solution) when glucose injection with a concertration of 10% or higher is inflused, adverse reactions that may be caused or induced by glucose when administered for parenteral nutrition induce: New failure, cirrhosis, Iver fibrosis, cholestasis, hepatocelluar steatosis, elevated levels of blood bilinkin, elevated levels of liver enzymes, cholesystist, cholettinasis, and pulmonary vascular precipitates.
 Contraindications]
 Contraindication to any ingredient in the product; (9) (10) (11)

- Versues programmers
 Contraindications]
 Contraindications]
 Contraindications]
 Contraindications]
 Contraindications]
 Patients with clinically significant hyperglycenia;
 Precautions]
 Namings
 Mypersensitivity reactions
 The influsion must be dopped immediately if any signs or symptoms of a suspected hypergramshivity reaction devices, hypergramshivity reaction devices, hypergramshivity reaction devices, hypergramshivity reactions
 Glucose-containing solutions should be administered to patients allergic to com or com products with reaction.
 Diution and other effects on serum electrolytes
 Depending on the influsion volume and rate and depending on a patient's underlying clinical confliction and clapability to metabolize glucose, infravenous administration of glucose can cause: Di hypersornolatily, comotic duriesis, and dehydration: (D) hypocomolic by hypersornolating, hypohyperhatinia, nucleotic pressure. Cosmotic durings caused by hyperglycenia can lade to or induce dehydration and electrolyte loss; (D) hopergondiate pressure.
- Monitoring of serum sodium is particularly important. High volume influsion must be administered under specific monitoring conditions in patients with cardiac or pulmonary failure, and in patients with non-osmotic vasopressin release (including Syndrome of Inappropriate Antiduretic Hormone Secotion, SIADH), due to the risk of hospital-acquired hyponatremia. Acute hyponatremia can lead to acute hyponatremic encephalopathy (train edema) characterized by headache, nausea, sezures, lethargy, vonting, and coma. Patients with brain edema are at particular risk of severe, investible, and lifethreatening brain injury and death. The risk for developing hypoosmotic hyponatremia is increased, for example, () in pediatic patients, () in elderly patients, () in women, (3) postoperatively, and () in pesons with psychogenic polydpia. The risk for developing encephalopathy (rose complication of hypoosmotic hyponatremia is increased, for example, () in pediatic patients (s16) years of age). (2) in vorren (in particular, post-menogause women), (3) in patients with underlying central nervous system disease. Clinical evaluation and periodic laboratory determination are necessary () the prolonged parenteral literary or whenever the contilion of the patient of the rate of administration warrants such evaluation. Particular cultuon is advised in patients at increased risk of and from water and electrolyte disturbances that could be aggrounded by increased free water load, hyperglycemia, or insult administration. Preventive and corrective measures must be instituted as dincially indicated. (2)
- (3)
- diminity nontwex. Systemia As with the intravenous administration of nutrients (e.g., 13.3-70% glucose, amino acids, and lipids) in general, metabolic complications may occur if the nutrient intake is not adapted to the patient's requirements, or the metabolic capacity of any gluen dietary component is not accurately assessed. Adverse metabolic effects may arise from administration of inadequate or excessive nutrients of from inappropriate composition of an admixture for a particular matient's needs.
- patients needs. Rapid administration of glucose solution may produce severe hyperglycemia (2) (3)
- Rapid administration of glucose solution may produce severe hyperglycemia and hypercosmolar syndrome. In order to avoid hyperglycemia, the influsion rate should not exceed the patient's abily to utilize glucose. To reduce the risk of hyperglycemia-associated complications, the influsion rate must be adjusted and/or insuin administered if blood glucose levels exceed levels considered acceptable for the individual patient. (4)
 - Ð

- (5) Infravenous glucose should be administered with caution in patients with, for example: ① impaired glucose tolerance (such as in diabetes mellitus, renal impairment, or in the presence of sepsis, trauma, or shock). ② severe mainutition (tisk of precipitaring a refeeding syndrome). ③ thanime deliciency, e.g., In patients with chronic atocholism (risk of severe lactic acidosis due to impaired oxidative metabolization of pruvue), and ④ water and electoryle distubances that could be aggravated by increased glucose and/or free water load. (6) Infravenous glucose should also be administered with caution in: ① patients with ischemic stroke (hyperglycemia has been implicated in increasing cerebral ischemic band key and impairing recovery after acute lischemic strokes). ② patients with severe traumatic brain impury (in particular during the first 24 hours following the trauma) (early hyperglycemia has been associated hyperglycemia may result in decreased artes of glucose after adsociated of preglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may result in decreased artes of glucose after dissociated hyperglycemia may resul

may result in decreased rates of glucose-samuated insult secretion. Refeeding syndrome Refeeding syndrome Refeeding syndrome that advected by the rapid shift of potassium, phosphorus, and magnesium from the blood to cells as the patient becomes anabolic. Thiamine deficiency and fuid retention may also develop. Careful monitoring and slowly increasing nutrient intake while avoiding overfeeding can prevent these complications. For 20% glucose injection, hepatobiliary disorders including cholestasis, fatty liver, fibrosis and cirrosis, possibly leading to hepatic failure, as well as cholecystils and choletihasis are known to develop in some patients on parenteral nutrition. The etiology of these disorders is thought to be multifactorial and may differ between patients. Patients presenting with abnormal laboratory parameters or other signs of hepatobiliary disorders should be assessed early by a clinician knowledgeable in liver diseases in order to identify possible causative and contributory factors, and possible therapeutic and prophysicic interventions. prophylactic interventions. Catheter infection and sepsis

- (1) Infection and sepsis may occur as a result of the use of intravenous catheters to administer parenteral formulations, poor maintenance of catheters, or
- Intection and sepas may occur as a result of the use of interventous califerens to administer parenteral formulations, poor maintenance of catheters, or contaminated solutions. Immunosuppression and other factors such as hyperglycemia, mainutrition and/or their underlying disease state may predispose patients to infectious complications. Careful symptomatic and laboratory monitoring for fever/childs, leukocytosis, technical complications with the access device, and hyperglycemia can help detect infections early. The occurrence of septic complications can be decreased with heightened amphasis on ascella behaviours in catheter intervent maintenance, as wall as (2) (3)
- (4) emphasis on aseptic technique în catheter placement, maintenance, as well as aseptic technique in nutritional formula preparation.

a septic technique in nutritional formula preparation. Precipitates For 20% glucose injection, pulmonary vascular precipitates have been reported in patients receiving parenteral nutrition. In some cases, stal outcomes have occurred. Excessive addition of calcium and phosphate increases the risk of the formation of calcium phosphate precipitates. Precipitates have been reported even in the absence of phosphate sait in the solution. Precipitation distal to the in – line filter and suspected precipitate formation in the blood stream have also been reported. In addition to inspection of the solution, the influsion set and catheter should also periodically be checked for precipitates. If signs of pulmonary distress occur, the influsion should be stopped and medical evaluation initiated. 2. General

- neral
- rai Infrapartum maternal excess intravenous glucose infusion may result in fetal insulin production and hypoglycemia in neonates. Use with cation in the following circumstances: (I) Patients who have undergone subtotal gastrectomy are prone to dumping syndrome and hypoglycemia during oral (2)

- Initial risks and benefits for text approximately and the set of t (2)

Pediatric patients including neonates and older children) are at increased risk of developing hypoosmotic hyponatremia as well as for developing hyponatremic encephalopathy. Acute hyponatremia can lead to acute hyponatremic encephalopathy. (brain deema) charaterized by headache, nausea, seizures, lethargy, vomiting, and oorna. Patients with brain edema are at particular risk of severe. Investible, and life-timeatining brain injury and death. Plasama electröyte concentrations should be closely monitored in the pediatric population. Rapid correction of hypoosmotic hyponatremia is potentially dangerous (risk of serious neurologic complications). Dosage, rate, and duration of administration should be determined by a physician experienced in pediatric infravenous fluid therapy. **atrices Use**] (3)

intravenous fluid therapy. [Ceritatrics Use] When selecting the type of infusion solution, and the volume /rate of infusion for a gentatic patient, consider that gentatic patients are generally more likely to have cardiac, renal, hepatic, and other diseases or concomitant drug therapy. Excessive or rapid fluid replacement may result in palpitations, anthythmia, and even acute left heart failure. [Drug Interactions]

replacement may result in papirations, armythma, and even acute left heart tailure. [Drug Interactions] No studies have been conducted. Both the glycomic effects of glucose injection and its effects on water and electrolyte balance should be taken into account when using glucose injection in patients treated with other substances that affect dycomic control, or fluid and electrolyte balance. Caution is advised when administering the product to patients treated with drugs leading to an increased vasopressin effect. The below listed drugs increase the vasopressin effect, leading to reduced renal electrolyte free water excretion and may increase the risk of hyponaternia following treatment with intravenous fluids. - Drugs stimulating vasopressin release such as chlopropamide, cofebrate, carbamazerine, vinoristine, selective sectorion requiralse inhibitors (SSRIs), 3.4-methylenedioxy-N-methamphetamine, fosfamide, antipsycholics, and opioids. - Drugs potentiating vasopressin action such as chlopropamide, non-steroidal anti-inflammatories (NSAIDS), cyclopsychamide. - Vasopressin analogues such as desmopressin, oxytocin, vasopressin, and terripressin.

Vasopresin analogues such as desmopressin, oxytocin, vasopressin, and teripressin analogues such as desmopressin, oxytocin, vasopressin, and teripressin.
 Caution is advised when administering the product to patients treated with drugs that may increase the risk of hyponatremia, such as diuretics and antiepileptics (e.g., oxarabazejne).
 CVerdosage]
 Excess administration of the product can cause hyperglycemia, adverse effects on water and electrolyte balance, and corresponding complications. For example, severe hyperglycemia, severe dilutional hyponatremia, and their complications, can be fatal. Interventions include discontinuation of administration, dose reduction, administration of insulin and other measures as indicated for the specific clinical constellation. Clinically significant overdose of glucose injection may, therefore, constitute a medical emergency.
 [Pharmacology and ToxIcology]
 Glucose is one of the main sources of heat for the human body. Every 1 gram of glucose can produce 4 kcai (167 kc) of heat energy, so it is used to supplement heat and treat hypodycemia. When glucose is intravenously administered with insulin, glucoge in yothosis can be rapidy administered intravenously in substance that maintains and regulates the comolo pressure of partineario dialogies soultions.
 [Pharmacolitionaldi, glucose is the main substance that maintains and regulates the osmolo pressure of partineario dialogies soultions.
 [Pharmacolitered]
 Intravenously administered furthered glucose enters the bloodstream directly. Glucose is completely oxidized in the body to produce CO: and water, which are excreted through

[Pharmacokinetics] Intravenously administered glucose enters the bloodstream directly. Glucose is completely oxidized in the body to produce CO: and water, which are excreted through the lungs and kichneys, along with energy production, and can also be converted into glycogen and fat for storage. Generally, a normal human body utilizes glucose at a rate of 6 mg/kg per minute. [Storage] Store in overwrap.

- [Packaging]
 A three-layer Co-extrusion Bags Used for Infusion with a special injection port and a special infusion port or a special injection port and a special infusion port for a special infusion port. For Infusion with a special injection port and a special infusion port, for Smithag, 100m/bag, 250m/bag, and special injection port and a special properties.
 (2) A three-layer Co-extrusion Bags Used for thristion with a special injection port and a pocial flexible infusion port. For explain polytopere rubber stopper, and special valves for special purposes.
 (2) A three-layer Co-extrusion Bags Used for thristion with a special injection port and a special purposes.
 (3) A three-layer Co-extrusion Bags Used for thristion with a special injection port and a special purpose.
 (4) Three-layer Co-extrusion Bags Used for thistion with a special injection port and a special purpose.
 (5) Three-layer Co-extrusion Bags Used the Coverbag Steps for special purposes.
- [Shelf Life] 24 months [Executive Standard] Pharmacopoeia of the People's Republic of China, Volume II,

20 Editio ense Numb

Product	Strength	License Number
Glucose Injection	100ml:5g	H19994070
Glucose Injection	250ml:12.5g	H19994071
Glucose Injection	500ml:25g	H19983150
Glucose Injection	100ml:10g	H19993736
Glucose Injection	250ml:25g	H19994063
Glucose Injection	500ml:50g	H19994062
Glucose Injection	250ml:50g	H20013219
Glucose Injection	500ml:100g	H20013218
Glucose Injection	50ml:2.5g	H19993747
Glucose Injection	50ml:5g	H19993748

Name: Baxter Healthcare (Shanghai) Co., Ltd. Registered Address: No. 388 Tingzhu Rd, Jinshan District, Shanghai (Manufacturer) Name: Baxter Healthcare (Shanghai) Co., Ltd. Address: No. 388 Tingzhu Rd, Jinshan District, Shanghai Postal Code: 201506 Tel: 86-21-57030000 Fac: 86-21-672707074

Ð

Approval Date: October 26, 2006

ion Date: April 15, 2008, January 23, 2009, October 01, 2010, March 12, 2012, April 19, 2012, October 18, 2014, October 26, 2015, December 01, 2015, January 15, 2019, January 16, 2019, March 21, 2019, April 23, 2019, July 07, 2020, December 01, 2020

Glucose Injection Package Insert

Please read the package insert carefully and use under the direction of the physician

[Drug Name] Generic Name: Glucose Injection English Name: Glucose Injection Chinese Pinyin: Putaotang Zhusheye

[Ingredients] Chemical name: Glucose. Structural formula:

Molecular formula: C₈H₂O₈+H₂O Molecular weight: 198.17 Excipients: If necessary, adjust the pH value with an appropriate amount of dilute hydrochloric acid.

OH

· H2O Лон

OH - 0

[Description] This product is a colorless or almost colorless clear liquid.

- [Indications] (1) As a source of energy and fluids; indicated for underfeeding or loss of large amounts of fluids caused by various reasons (such as vomiting and diarrhea), total intravenous nutrition, and starvation ketosis.
- Hypoglycemia Hyperkalemia
- (3) (4) (5) (6) (7) (8) Hypertonic solution indicated as a tissue dehydrating agent:
- For preparation of peritoneal dialysis solution Drug diluent;
- Intravenous glucose tolerance test; For preparation of GIK (polarized liquid).

[Strength] (1) 1000ml:50g (2) 1000ml:100g

- (Dosage and Administration)
 The infusion rate and volume should be calculated based on the patient's age, weight, clinical and metabolic conditions, and concomitant therapy.
 (1) Supply of heat energy. When patients eat less or cannot eat for certain reasons, 25% glucose injection can generally be given infravenously, which can also replace fluids. The dosage of glucose should be calculated based on the required anouncut of heat energy. Glucose should be calculated based on the required anouncut of heat energy.
 (2) Total infravenous nutrition therapy. Glucose should be calculated based on the required anouncut of heat energy.
 (2) Total infravenous nutrition therapy. Glucose is the most important energy supplied by glucose to that supplied by flat is 2.1. The specific dosage is determined according to the clinical calorie requirement. Depending on the amount of fluid replacement required, glucose can be prepared in different concentrations between 25% and 50%. Instill can be added if necessary, with 1 unit of regular insulin added for every 5 to 10 g of glucose. As the normal application of fluid remulsion, large veins are generally used for inhiston.
 (3) Hypoglycemia. Patients with severe hypoglycemia can be administred 22.40 m of 50% glucose injection by intravenous drip. Administration of 100 g of glucose diplucos in by intravenous drip. Administration of 100 g of glucose drip.
 (4) Starvation ketosis. Patients with severe starvation ketosis should be administered 5.25% injection should be administered 5.26% bijection should be administered. Adding 1 unit of regular insulin for every 2.4 g of glucose can reduce serum potassium concentration. However, this therapy only allows extracellidar potasium inons to enter the cells, and the total potasium content in the body remains unchanged. If potassium elimination to that hyperonic solution (generally control that the total potasium ions to enter the cells, and the total potasium content in the body remai

- (7)
- Inchanged, If potassium elimination measures are not taken, hyperkalemia may still occur again. Tissue dehydration. 20 to 50 ml of hypertonic solution (generally 50% glucose injection) should be administered by rapid intravenous injection. However, the effect is short-lived. Clinically, attention should be paid to preventing hyperglycemia, and this therapy is rarely used at present. When used to adjust the osmolic pressure of peritoneal dialysis solution, 20 ml of 50% glucose injection, (i.e., 10 g of glucose), can increase the asmotic pressure of 1.1 of peritoreal dialysis solution by 55 mOsm/kgh50. For 10% glucose injections, if administered via a peripheral vein, the esmotic pressure of 1.1 of peritoreal dialysis solution by 55 mOsm/kgh50. For 10% glucose injections, when using glucose-containing preparations, consider starting at a low influsion raite and then gradually increasing it. Electrolytes can be replenished according to the patient's clinical needs. It is recommended that an influsion in with an filter should be used wherever possible during the administration of all parenteral solutions. (8)
- (9)
- (10) (11)

[Adverse Reactions] (1) Venous initiation

- erse Reactions] Venous initiation and phieblits, which occur during the administration of hypertonic glucose injection by drip. Administration by drip through a large venic can reduce the incidence of phieblits. Extravasation of high-concentration glucose injection can cause local
- (2)
- Swelling and pain. Reactive hypoglycemia, which is prone to occur in the event of coadministration of an overdose of insulin, a pre-existing hypoglycemia tendency, or sudden withdrawal from total intravenous nutrition therapy. (3)

- Hyperglycemic non-ketotic coma, which is more common in patients with diabetes, patients with stress, patients receiving large amounts of glucocoticoids, and patients with uremia pentoneal dialysis who are given intrapentioneal hyperionic glucose solution or total intravenous nutrito in therapy.
 Electrolyte imbalance. Long-term supplementation of glucose alone can easily lead to hypokalemia, hyponatremia, and hypophosphatemia.
 Hyperkalemia, which occasionally occurs in patients with type 1 diabetes when they are administered glucose at a high concentration.
 Hypersensitivityinfusion reactions (including anaphylactic/anaphylactid reactions), mild reactions such as puritus, severe reactions such as bronchospasm, cyanosis, angioedema, and hypotension; fever, chills.
 Hyperglycemia.
 Rash.
 Infusion site reactions, including infusion site phiebitis and infusion site erythema.

- (10) Influsion site reactions, including innusion are presence -erythema.
 (11) Other adverse reactions reported with similar products include: ① symptomatic hyponatremis: ② hyponatremic encephalopathy: and ② possible inlusion site thrombophiebilis (reliated to hypertonic solution) when glucose injection with a concentration of 10% or higher is initiased. adverse reactions that may be caused or induced by glucose when administered for parenteral nutrition include: Iver failure, cirrhosis, liver farosis, cholestasis, hepatocellular stateotics, elevated levels of blood bilinubin, elevated levels of fiver enzymes, cholecystitis, choleithiasis, and pulmonary vascular precipitates.

[Contraindications]

- raineucations) andicated in the following patients: Those who are allergic to any ingredient in the product; Patients with hyperglycernic non-ketolic hypergsmolar state; Those with uncontrolled diselic ketoacidosis. (3) (4)

[Precautions]

- (Precautions)
 1. Warnings
 Hypersensitivity reactions
 (1) This/sicn must be stopped immediately if any signs or symptoms of a suspected hypersensitivity reaction develop. Appropriate therapeutic course or products with cauton.
 (2) Glucose-containing solutions should be administered to patients allergie to com or com products with cauton.
 Diution and other effects on serum electrokytes
 (1) Depending on the influsion volume and rate and depending on a patient's underlying dinical consomer law detribution to a symptomic disturbances, such as hypocosmolity. Solutions and eagle situations, and editor disturbances, such as hypocosmolity. Solutions and eagle situations, and editydration? (2) hypocosmolality. Solutions without electrokytes and hypocosmolitics. Solutions and electrokyte solutions, and editorydration and capability to metacloxic discubryles and hypocosmolic pressure. Ornolic diresis caused by hyperglycemia can also cause water to transfer across cells, resulting in a docrease in estracellular sodium consentration. Thereby causing hyporatermia, bypootmeta delydration and electrokyte loss. (3) hyperglycemia can also cause water to transfer across cells, resulting in a docrease in etacollular sodium consentration. Finetry causing hyporatermia, lead to developing and electrokyte loss. (3) hyperglycemia can also cause water to transfer across cells, resulting in a docrease in etacollular metacolize the glucose in the glucose injection, inlusion of glucose interlyces and who and also do and and within may lead to hyporastremia. Acute hyponatermia, can lead to a cube hyponatermia, soliton cosmotic toxyonateres, lethargy, vorting, and coma, Patients with hyponatermia, soliton cosmotic toxyonateres, lethargy, vorting, and coma, Patients with hyponatermia, soliton cosmotic hyponatermia. Acute hyponatermia, soliton cosmotic hyponatermia, soliton cosmotic hyponaterenis, soliton cosmotic hyponateremia is increased, for example,
- Hype (1)
- (2)
- measures must be measures to service and the service of the servic (3)

Ē

exceed levels considered acceptable for the individual patient. Intravenous glucose should be administered with caution in patients with, for example: ① impaired glucose tolerance (such as in diabetes mellitus, renal impairment, or in the presence of sepsis, trauma, or shock,)② thiamine deficiency, e.g., in patients with chronic alcoholism (risk of severe mainutrition (risk of precipitating a refeeding syndrome). ③ thiamine deficiency, e.g., in patients with chronic alcoholism (risk of severe lactic acidosis due to impaired oxidative metabolization of pyruvate). ③ Water and electrolyte disturbances that could be aggravated by increasing ducose and/or free water load. Intravenous glucose should also be administered with caution in: ① patients with ischemic stroke (hyperglycemia has been implicated in increasing decoses hould also be administered with caution in: ① patients with ischemic stroke (hyperglycemia has been implicated in increasing decoses). ② patients with severe traumatic brain hingry hyperglycemia has been associated with poor outcomes in patients with hyperglycemia may result in decreased rates of glucose-stimulated insulin secretion. (4)

- (5)
- (6)

eding syndrome

Refeeding severally undernourished patients may result in refeeding syndrome, which is characterized by the rapid shift of potassium, phosphorus, and magnesium from the blood to cells as the patient becomes anabolic. Thiamine deficiency and fluid retention may also develop. Careful monitoring and slowly increasing nutrient intake while avoiding overfeeding can prevent these complications. 2. General

- plications. General Intrapartum maternal excess intravenous glucose infusion may result in fetal insulin production and hypoglycemia in neonates. Use with caution in the following circumstances: ① Patients who have undergone subtotal gastrectomy are prone to dymping syndrome and hypoglycemia during oral glucose tolerance tests and should be switched to intravenous glucose tests; ② Patients with periodic paralysis or hypokatemia; ③ Patients who are prone to hyperglycemia under stress or hypokatemia; ③ Patients who are prone to hyperglycemia under stress or hypokatemia; ③ Patients who are prone to hyperglycemia under stress or hypokatemia; ③ Patients controlled; for patients with heart failure, the infusion routome should be controlled; for patients with heart failure, the infusion rate should be particularly controlled. Check the packaging carrelly before use to make sure that it is intact; squeeze and check the inner bag, and discard if if there is any leakage; the solution inside should be clear, without visible particles. This product is for one-time use. It is not recommended to add a medication; if necessary, please squeeze the bag after adding a medication to check carefully for feakage. Add a medication using aspectic technique as directed by the physician, mix thoroughly, and squeeze to check for leakage. Glucose injection should not be administered at the same time as blood transfusion. (2)
- (3)
- (4)
- (5)
- (6)
- Glucose injection is a high-volume injection. In view of the large (7)
- temperature difference between northern and southern China, avoid
- (8)
- temperature difference between northern and southern China, avoid overheating or freezing. Do not connect this product in series for infusion. Before use, it is necessary to closely chock whether three is air in the infusion line. Before pressurized infusion, the air in the bag should be expelled to avoid the formation of air embolism. When using an air-inlet infusion set for infusion, make sure the air inlet is closed. Additives may be incompatible. Additives known to be incompatible should not be used. Before adding a medication, verify that it is soluble and/or stable in water and that the pH range of the product is appropriate. The instructions for use of the medication to be added and other relevant literature must be consulted. After addition, check for a possible color change and/or the appearance of precipitates, insoluble complexes, or crystals. Do not store solutions containing additives. For single use only. Discard any unused portion. (9)

[Pregnancy and Lactation] Intrapartum maternal intravenous glucose infusion may result in fetal insulin production, with an associated risk of fetal inspentyceraria and metabolic acidosis as well as rebound hypoglyceraria in the neonate. Healthcare practitioners should carefully consider the potential risks and benefits for each specific patient before administering glucose injection.

- glucose injection.
 [Pediatrics Use]
 (1) The drug should be administered under the guidance of a physician experienced in pediatric intravenous fluid therapy. Excessive or rapid fluid replacement may result in applications, arrhythmia, and even acute left heart failure.
 (2) Newborns (especially those born premature and with low birth weight), are a tincreased risk of developing hypoglycemia or hypergriveenia. Close monitoring during treatment with Intravenous glucose solutions is needed to ensure adequate glycemic control, in order to avoid potential long term adverse effects. Hypoglycemia in the newborn can cause prolonged setures, coma, and cerebral nijury (including intravenous glucose solutions is accelted with cerebral injury (including intravenous glucose solutions), late onset bacterial and fungal infection, retinopathy of prematurity, necrolizing enterocolitis, increased oxygen requirements, prolonged setures, coma, and cerebral and vith level on the set of the seture adequate glycemic term setures and seture adequate diverse of the seture adequate diverse of the seture adequate diverse of the seture adequate diverse advective diverse advection the newborn can cause prolonged setures, coma, and cerebral nijury (including interventicular hemorthage), late onset bacterial and fungal inflection, retinopathy of prematurity, necrolizing enterocolitis, increased oxygen requirements, prolonged length of hospital stay, and death.
 (3) Pediatire patients (including neonates and older children) are at increased risk of developing hypoosmotic hyponatremia can lead to acute hyponatremic acceptalopathy. Acute hyponatremic acceptalopathy acute hyponatremia can lead to acute hyponatremic acceptalopathy (train edema) characterized by headache, nausea, seizures, leathrey, vorniting, and coma. Patients with brain edema are at particular risk of severe, irreversible, and life-threatening train injury and death. Plasma electrolyte concentos complications. Dosag

[Geriatrics Use] When selecting the type of infusion solution and the volume/rate of infusion for a geriatric patient, consider that geriatric patients are generally more likely to have cardiac, renal, hepatic, and other diseases or concomilant drug therapy. Excessive or rapid fluid replacement may result in palpitations, arrhythmia, and even acute left heart failure.

[Drug Interactions] No studies have been conducted. Both the givernic effects of glucose injection and its effects on water and electrolyte balance should be taken into account when using glucose injection in patients treated with other substances that affect glycemic control, or fluid and electrolyte balance. Caution is advised when administering the product to patients treated with drugs leading to an increased vasopressin effect. The below listed drugs increase the vasopressin effect, leading to reduced renal electrolyte free water excretion and may increase the risk of hyponatremia following treatment with intravenous fluids.

- Drugs stimulating vasopresin release such as chlorpropamide, clofbrate, carbamazepine, vincristine, selective serotonin reuptake inhibitors (SSRIs), 3.4-methylenedioxy-N-methamphetamine, ifosfamide, antipsychotics, and achiette

3.4-methylenieuxys-re-neuranisessen action such as chlorpropamide, opiolas,
 Drugs potentiating vasopressin action such as chlorpropamide, non-steroidal anti-Inflammatories (NSAIDS), cyclophosphamide.
 Vasopressin analogues such as desmopressin, oxytocin, vasopressin, and terlipressin.
 Caution is advised when administering the product to patients treated with drugs that may increase the risk of hyponalremia, such as diuretics and antiepitepitos (e.g., oxcarbazepine).

[Overdosage]

[Overdosage] Excess administration of the product can cause hyperglycernia, adverse effects on water and electrolyte balance, and corresponding complications. For example, severe hyperglycernia, severe dilutional hyponatrenia, and their complications, can be fatal. Interventions include discontinuation of administration, dose reduction, administration of insulin and other measures as indicated for the specific clinical constellation. Clinically significant overdose of glucose injection may, therefore, constitute a medical emergency.

[Pharmacology and Toxicology] Glucose is one of the main sources of heat for the human body. Every 1 gram of glucose can produce 4 keal (167. KJ) of heat energy, so it is used to supplement heat and treat hypoghycemia. When glucose is intravenously administered with insulin, glycogen synthesis requires polassium ions; resulting in potassium ions entering the cells and lowering blood polassium concentration, hence it is used to treat hyperkalemia. Hyperonic glucose injection can be rapidly administered intravenously for lissue dehydration and can be used as a tissue dehydrating agent. Addiborally, glucose is the main substance that maintains and regulates the osmolic pressure of peritoneal dialysis solutions.

[Pharmacokinetics]

[Pharmacokinetics] Intravenously administered glucose enters the bloodstream directly. Glucose is completely oxidized in the body to produce CO₂ and water, which are excreted through the lungs and kidneys, along with energy production, and can also be converted into glycogen and fat for storage. Generally, a normal human body utilizes glucose at a rate of 6 mg/kg per minute.

[Storage] Store in overwran

- (Packaging)
 (Packaging)
 A three-layer Co-extrusion Bags Used for Infusion with a special injection port and a special infusion port in double-layer (Jobe Value Serifie packaging).
 (1) A three-layer Co-extrusion Bags Used for Infusion a special injection on tand a special infusion port in double-layer (Jobe Value Serifie packaging).
 (1) A three-layer Co-extrusion Bags Used for Infusion a special injections in tan a special infusion port for 000 mt50 g and 1000 mt1000 g. Instructions: 1. This product is packaged sterile in inner and outer bags. When using, tear it vertically valves for special purposes.
 (2) A three-layer Co-extrusion Bags Used for Infusion with a special injection port are equipped with a specially designed polyisoprene rubber stopper, and a special factible infusion port. For 1000 mt50 g. Instructions: 1. This product is packaged sterile in inner and outer bags. When using, tear it vertically valong the tear noth of the outer bag; 2. The injection port is equipped with a special purposes.

[Shelf Life] 24 months [Executive Standard] Pharmacopoeia of the People's Republic of China, Volume II, 2020 Edition

[License Number]

Product	Strength	License Number	
Glucose Injection	1000ml:50g	H19983151	
Glucose Injection	1000ml:100g	H19994061	

[Drug Marketing Authorization Holder] Name: Baxter Healthcare (Shanghai) Co., Ltd. Registered Address: No. 388 Tingzhu Rd, Jinshan District, Shanghai

[Manufacturer] Name: Baxter Healthcare (Shanghai) Co., Ltd. Address: No. 388 Tingzhu Rd, Jinshan District, Shanghai Postal Code: 201506 Tel: 86-21-5730000 Fax: 86-21-57210674

Đ

PACKAGE/LABEL PRINCIPAL DISPLAY PANEL



5% Glucose Injection

050	LOT \$000000	EXP	YYYY-MM
250ml X 40	A6C0062US 1C/	N LIC	H19994071

5% Glucose Injection

250ml X 40 LOT S0000000 EXP YYYY-MM MFG YYYY-MM-DD 1C/N 0000

Baxter Logo Trademark

A6C0062US

GLUCOSE INJECTION

<u>50</u>

<u>100</u>

<u>150</u>

<u>200</u>

250ml

5% GLUCOSE

[Strength] 250ml: 12.5g [Description] This product is a colorless or almost colorless clear liquid [Dosage and Administration] Intravenous drip See the package insert for details For details of [Indications], [Adverse Reactions], [Contraindications], and [Precautions], please refer to the package insert

[Storage] Store in overwrap

The solution should be clear and should be used up at one time Inspect the inner bag by squeezing it and discard solution if leakage occurs License Number: H19994071

AA

[Drug Marketing Authorization Holder] [Manufacturer] Name: Baxter Healthcare (Shanghai) Co., Ltd. Address: No. 388, Tingzhu Road, Jinshan District, Shanghai

BarCode

(01) 00303389795018

LOT MFG EXP

5% Glucose Injection

250ml X 40

LOT S0000000 EXP YYYY-MM A6C0062US 1C/N LIC H19994071

5% Glucose Injection

250ml X 40

LOT S0000000 EXP YYYY-MM MFG YYYY-MM-DD 1C/N 0000



5% Glucose Injection

1000ml X 12	LOT	S00000	000	EXP	YYYY-MM
1000mi x 12	A6C0	064US	1C/N	LIC	H19983151

5% Glucose Injection

1000ml X 12

LOT S0000000 MFG YYYY-MM-DD EXP YYYY-MM 1C/N 0000

Baxter Logo Trademark

A6C0064US

GLUCOSE INJECTION

<u>100</u>

- <u>200</u>
- <u>300</u>
- <u>400</u>
- <u>500</u>
- 600
- 700
- <u>, . . .</u>
- <u>800</u>
- <u>900</u>

1000ml 5% GLUCOSE

[Strength] 1000ml: 50g [Description] This product is a colorless or almost colorless clear liquid [Dosage and Administration] Intravenous drip See the package insert for details For details of [Indications], [Adverse Reactions], [Contraindications], and [Precautions], please refer to the package insert

[Storage] Store in overwrap

The solution should be clear and should be used up at one time Inspect the inner bag by squeezing it and discard solution if leakage occurs License Number: H19983151

AA

[Drug Marketing Authorization Holder] [Manufacturer] Name: Baxter Healthcare (Shanghai) Co., Ltd. Address: No. 388, Tingzhu Road, Jinshan District, Shanghai

BarCode (01) 00303389801016

LOT MFG EXP

5% Glucose Injection

1000ml X 12

LOT S000000 EXP YYYY-MM A6C0064US 1C/N LIC H19983151

5% Glucose Injection

1000ml X 12

LOT S000000 EXP YYYY-MM MFG YYYY-MM-DD 1C/N 0000

de	xtrose anhydro	ous injection	, solution					
_	roduct Infor	mation						
		mation	HUMAN PRESCRIPTION DRUG	ltom C	. d .	(5		C:0338-9795
Product Type Route of Administration		stration	INTRAVENOUS	item c	Item Code (Source)		ND	2.0336-9793
n	oute of Autom	stration						
A	ctive Ingredi	ent/Active	Moiety					
Ingr			edient Name			Basis of Strength		Strength
	EXTROSE MONO	HYDRATE (UNI	I: LX22YL083G) (ANHYDROUS DEXTROSE -			DEXTROSE MONOHYDRATE		55 g in 1000 mL
51					inc			11 1000 HIL
Ir	active Ingre							
		-	redient Name			Strength		
vv	ATER (UNII: 059Q	FUKOUR)						
P	ackaging							
#	ltem Code	Pa	ackage Description Mar		larketing Start M Date		Marketing End Date	
1	NDC:0338-9795- 40	40 in 1 CARTC	N	10/10/2024				
1	NDC:0338-9795- 01	250 mL in 1 B Product	AG; Type 0: Not a Combination					
M	larketing	Informat	ion					
Marketing Category					Marketing Start Date		Marketing End Date	
Unapproved drug for use in drug				1	0/10/	2024		
sr	ortage							
G	LUCOSE							
de	xtrose anhydro	ous injection	, solution					
-								
P	roduct Infor	mation	HUMAN PRESCRIPTION DRUG					C:0338-9801

HUMAN PRESCRIPTION DRUG Item Code (Source) NDC:0338-9801 Product Type Route of Administration INTRAVENOUS **Active Ingredient/Active Moiety Basis of** Strength **Ingredient Name** Strength DEXTROSE MONOHYDRATE (UNII: LX22YL083G) (ANHYDROUS DEXTROSE -UNII:5SL0G7R0OK) DEXTROSE 55 g in 1000 mL MONOHYDRATE **Inactive Ingredients Ingredient Name** Strength WATER (UNII: 059QF0K00R) Packaging **Marketing Start Marketing End** # Item Code **Package Description** Date Date 1 NDC:0338-9801-12 in 1 CARTON 10/10/2024 NDC.0220 0001 1000 mL in 1 BAC: Type 0. Not a Combination

1 01 Product						
Marketing Information						
Marketing Categor	y Application Numb Monograph Cita		Start Marketing End Date			
Unapproved drug for use in shortage	drug	10/10/2024				

Labeler - Baxter Healthcare Corporation (005083209)

Establishment										
Name	Address	ID/FEI	Business Operations							
Baxter Healthcare (Shanghai) Co. Ltd.		527191860	MANUFACTURE(0338-9795, 0338-9801) , ANALYSIS(0338-9795, 0338-9801) , LABEL(0338-9795, 0338-9801) , PACK(0338-9795, 0338-9801) , STERILIZ E(0338-9795, 0338-9801)							

Revised: 11/2024

Baxter Healthcare Corporation